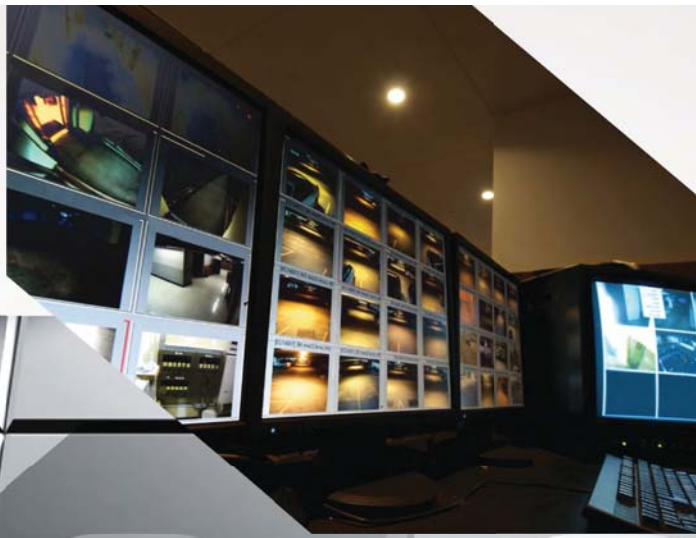


125, Ogudu Road
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Tel: +234-1-8418591
www.cautela-ng.com
info@cautela-ng.com



- IP & ANALOGUE CCTV SYSTEMS
(CAMERAS, SOFTWARE , SERVERS)
- VIDEO MANAGEMENT SYSTEMS
- VIDEO INTERCOM SYSTEMS
- VIDEO ANALYTICS
- ALARM SYSTEMS

CAUTELA



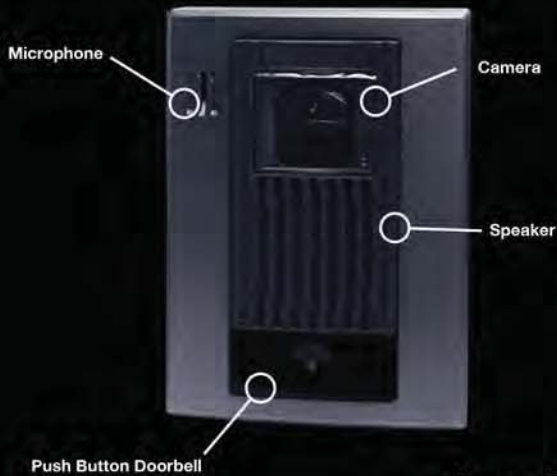
Protection for peace of mind.

WIRELESS

TWO-WAY INTERCOM
SYSTEM WITH VIDEO

FEATURES

- Over 300ft. transmission range, line of sight
- Two-way intercom
- 2.25" LCD color monitor
- Live browsing feature when door / camera unit is hardwired
- System can store up to 163 images
- Day / Night Operation
- Rechargeable battery pack and charging cradle included



KIT INCLUDES:

- 1 CAMERA DOOR UNIT
- 1 INDOOR PORTABLE LCD DISPLAY UNIT
- 1 CHARGING CRADLE
- 1 AC ADAPTER
- 1 RECHARGEABLE BATTERY PACK
- 4 MOUNTING SCREWS

CAUTELA INDUSTRIES LIMITED

125 Ogudu Road,
Ogudu GRA,
Lagos
Phone: 01-8418591
Email: info@cautela-ng.com
www.cautela-ng.com



Instantly see who's at your door from anywhere in your home or business.



MOTION-Activated Security Lights

- Light automatically turns on when motion is detected at night. Adjustable PIR sensor detects motion within 180 degrees.
- Easy DIY installation. No wiring. No electrician needed.
- Adjustable swivel head.
- Durable weatherproof housing.



Solar-Powered LED Security Spotlight

SOLAR-POWERED HALOGEN SECURITY FLOODLIGHT



Model #40220

- Large, diffused halogen light illuminates a broad coverage area.
- Includes 6V 4Ah sealed lead acid rechargeable battery.
- Detects motion up to 35 feet away.
- 15 foot cable allows ideal location for solar panel and lets you mount the light inside, if desired.
- Uses free energy from the sun. No operating costs.
- Time, motion sensitivity, and LUX (daylight sensitivity) adjustments.
- When charged in full sunlight, light can activate up to 150 times when on for 30 seconds at a time.

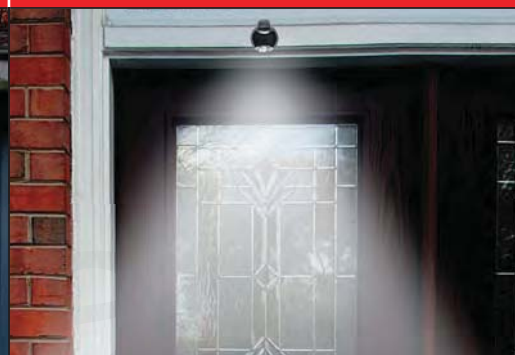
SOLAR-POWERED LED SECURITY SPOTLIGHT



Model #40221

- Super bright LED with silver reflector creates bright illumination in the coverage area.
- Includes three 1.2V 900 mAh rechargeable batteries.
- 9 foot cable allows ideal location for solar panel and lets you mount the light inside, if desired.
- Uses free energy from the sun. No operating costs.
- Time, motion sensitivity, and LUX (daylight sensitivity) adjustments.
- When charged in full sunlight, light can activate up to 45 times when on for 4 minutes at a time.

BATTERY-POWERED MOTION-ACTIVATED LIGHT



Model #40230

- 5 LED lights automatically turn on when motion is detected within a 10 foot radius.
- Swivel head rotates 360 degrees in all directions.
- 5 LED lights last up to 30,000 hours (45 years)!
- Easily installs in minutes. Mounts on wall or other stable object. Can also be placed on a flat surface.
- Uses 4 replaceable C cell alkaline batteries (not included) which last up to 1 year under typical usage.
- Use indoors or outdoors. Fully weatherproof.

CAUTELA INDUSTRIES LIMITED
125 Ogudu Road,
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Lagos

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SDE-5002

16 Channel DVR System



(Back Panel Image)

Specifications

SDE-5002			General		
Video	Q	16 UTP Line(CH1-CH16), BNC 2 ports(CH1, CH2)	Electrical	Input Voltage/Current	100 ~ 240 VAC +/- 10% 50/60 Hz, Autoranging
	Resolution	704x480 NTSC		Power consumption	ADP-4812 Adaptor (2 EA), 12V, 48W+48W
Live	Frame rate	30 ips NTSC	Mechanical	Dimension (W x H x D)	350 x 44 x 300 mm
	Resolution	704x480 NTSC		Weight (With hard disks)	2.83kg
Performance			Language	English, Spanish, French, German, Italian, Polish, Portuguese, Russian, Turkish, Japanese, Czech, Swedish, Danish, Korean, Chinese, Dutch, Thai, Romanian, Serbian, Croatian, Hungarian, Greek	
Operating System	Embedded	Linux		Item	SEB-1007R N Camera SED-1001R N Camera
Recording	Compression	H.264	Input Voltage	DC 12V(by UTP)	DC 12V(by UTP)
	Record Rate	NTSC: Up to 120ips @ 704x480	Power Consumption	2.6W	2.2W
		NTSC: Up to 240ips @ 704x240	Video		
		NTSC: Up to 480ips @ 352x240	Scanning System	Interlace	Interlace
	Mode	Manual, Schedule, Event	Synchronization	Internal	Internal
	Overwrite modes	Continuous	Horizontal Resol.	520 TVL	520 TVL
Search	Pre-event	Off/5/10/20/30sec	S/N Ratio (Y Signal)	46dB	46dB
	Post-event	- Off/5/10/20/30sec - 1/3/5/10/20min, 1/2/3/4/5/6 hour	UTP	Maximum Transmission Length: 200m (UTP CAT 5e)	
Network	Search mode	Date/time, Event, Backup, Motion	Lens		
	Stream	H.264 (CIF)	Focus Length	3.8mm	3.8mm
	Max. No. Of Remote Users	Search (3)/ Live Unicast (10)/ Live Multicast (20)	Max. Aperture Ratio	2	2
	Protocol Support	TCP/IP, DHCP, PPPoE, SMTP, NTP, LIGHTTPD & UDP, DDNS, RTP RTSP	Angular Field of View	H: 54° V: 40°	H: 54° V: 40°
Storage	Monitoring	Smart Viewer, Webviewer, Mobile Viewer	Operational		
	Internal HDD	1 TB SATA HDD	Digital Noise Reduction	Auto	Auto
	USB (Back-up)	2 USB Ports	Day & Night	Auto	Auto
Interface			IR Distance	15m (20 EA)	10m (12EA)
Audio	Inputs/Output	16 UTP Line(CH1~CH16), 2 Port RCA(CH1, CH2) / 1 line out			
Alarm	Remote notification	Notification via e-mail			
Connections	Ethernet	1 RJ-45 10/100/1000 Base-T			
	USB	USB 2.0, 2 ports			



SDE-4002

8 Channel DVR System



(Back Panel Image)

Specifications

SDE-4002			General		
Video	Inputs	8 UTP Line(CH1-CH8), BNC 2 ports(CH1, CH2)	Electrical	Input Voltage/Current	100 ~ 240 VAC +/- 10% 50/60 Hz, Autoranging
	Resolution	704x480 NTSC		Power consumption	ADP-4812 Adaptor (2 EA), 12V, 48W+48W
Live	Frame rate	30 ips NTSC	Mechanical	Dimension (W x H x D)	350 x 44 x 300 mm
	Resolution	704x480 NTSC		Weight (With hard disks)	2.83kg
Performance			Language	English, Spanish, French, German, Italian, Polish, Portuguese, Russian, Turkish, Japanese, Czech, Swedish, Danish, Korean, Chinese, Dutch, Thai, Romanian, Serbian, Croatian, Hungarian, Greek	
Operating System	Embedded	Linux		Item	SEB-1007R N Camera SED-1001R N Camera
Recording	Compression	H.264	Input Voltage	DC 12V(by UTP)	DC 12V(by UTP)
	Record Rate	NTSC: Up to 60ips @ 704x480	Power Consumption	2.6W	2.2W
		NTSC: Up to 120ips @ 704x240	Video		
		NTSC: Up to 240ips @ 352x240	Scanning System	Interlace	Interlace
	Mode	Manual, Schedule, Event	Synchronization	Internal	Internal
	Overwrite modes	Continuous	Horizontal Resol.	520 TVL	520 TVL
Search	Pre-event	Off/5/10/20/30sec	S/N Ratio (Y Signal)	46dB	46dB
	Post-event	- Off/5/10/20/30sec - 1/3/5/10/20min, 1/2/3/4/5/6 hour	UTP	Maximum Transmission Length: 200m (UTP CAT 5e)	
Network	Search mode	Date/time, Event, Backup, Motion	Lens		
	Stream	H.264 (CIF)	Focus Length	3.8mm	3.8mm
	Max. No. Of Remote Users	Search (3)/ Live Unicast (10)/ Live Multicast (20)	Max. Aperture Ratio	2	2
	Protocol Support	TCP/IP, DHCP, PPPoE, SMTP, NTP, LIGHTTPD & UDP, DDNS, RTP RTSP	Angular Field of View	H: 54° V: 40°	H: 54° V: 40°
Storage	Monitoring	Smart Viewer, Webviewer, Mobile Viewer	Operational		
	Internal HDD	1 TB SATA HDD	Digital Noise Reduction	Auto	Auto
	USB (Back-up)	2 USB Ports	Day & Night	Auto	Auto
Interface			IR Distance	15m (20 EA)	10m (12EA)
Audio	Inputs/Output	8 UTP Line(CH1-CH8), 2 Port RCA(CH1, CH2) / 1 line out			
Alarm	Remote notification	Notification via e-mail			
Connections	Ethernet	1 RJ-45 10/100/1000 Base-T			
	USB	USB 2.0, 2 ports			

4Channel H.264 DVR with 4 High Resolution IR Cameras

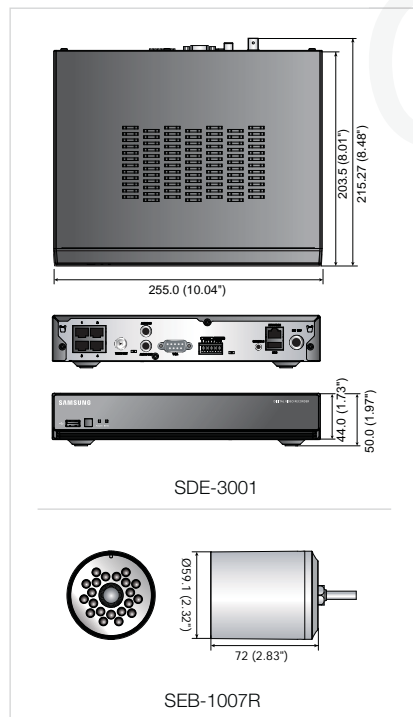
SDE-3001

Specifications

SDE-3001 (DVR)		
ITEM		
Video	Inputs	4 UTP Inputs (RJ45)
	Resolution	704 x 480 NTSC, 704 x 576 PAL
	Frame Rate	30fps NTSC, 25fps PAL
Live	Resolution	704 x 480 NTSC, 704 x 576 PAL
	Multi Screen Display	1, 4, PIP
PERFORMANCE		
Operating System	Embedded	Linux
	Compression	H.264
	Record Rate	NTSC : Up to 30fps @ 704 x 480 / PAL : Up to 25fps @ 704 x 576 NTSC : Up to 60fps @ 704 x 240 / PAL : Up to 50fps @ 704 x 288 NTSC : Up to 120fps @ 352 x 240 / PAL : Up to 100fps @ 352 x 288
Recording	Mode	NTSC: Manual, Schedule, Event, Time Laps
	Overwrite Modes	Continuous
	Pre-alarm	Up to 5sec
	Post-alarm	Up to 6hour (5, 10, 20, 30sec, 1, 3, 5, 10, 20min, 1, 2, 3, 4, 5, 6hour)
Search & Playback	Search Mode	Date/Time, Event, Back up, Motion
	Playback Function	Fast forward / backward, Slow forward / backward, Step forward / backward
	Transmission Speed	100/120fps
	Bandwidth	Up to (4)Mbps, Unlimited (4M) / 2 / 1.5 / 1 Mbps / 800 / 600 / 500 / 400 / 300 / 200 / 100 / 50 kbps
Network	Bandwidth Control	Automatic
	Stream	H.264 (CIF)
	Protocol Support	TCP/IP, DHCP, PPPoE, SMTP, NTP, HTTP, DDNS, RTP, RTSP
	Monitoring	Smart viewer, Webviewer, Mobile Viewer
Smart Phone	Smart Phone	iPhone, Android phones (*not all Android phones are compatible)
	Internal HDD	500GB SATA HDD
Storage	DVD Writer (Back up)	Not Supported
	USB (Back up)	2 USB ports
	File Format (Back up)	BU (DVR Player), EXE (Includes Player)
Security	Password Protection	1 Admin, 10 Group, 10 User per 1 Group
	Data Authentication	Watermark
INTERFACE		
Monitors	VGA	Analog RGB 1024 x 768 resolution
	Main Composite	BNC, 1 Vp-p, 75 ohm
Audio	Inputs / Output	1 Line in (CH1) / 1 line out
	Compression	G.711
	Sampling Rate	8KHz
Alarm	Inputs / Output	Terminal 4 inputs (NO/NC) / Terminal 1 relay outputs (NO/NC), Rating : 24V DC 1A, 125VAC/0.5A
	Remote Notification	Notification via e-mail
Connections	Ethernet	1 RJ45 10/100 Base-T
	USB	USB 2.0, 2 ports (Front / Rear)
GENERAL		
Electrical	Input Voltage / Current	100 ~ 240V AC $\pm 10\%$, 50/60Hz, Autoranging
	Power Consumption	ADP-4812 ADAPTOR (1EA), 12V, 48W
Environmental	Operating Temperature / Humidity	0°C ~ +40°C (+32°F ~ +104°F) / 20% ~ 85%RH
	Dimensions (WxHxD)	255 x 50 x 213mm (10.04" x 1.97" x 8.39")
Mechanical (Set)	Weight (With hard disks)	1.58Kg (3.48 LBS)
	Dimensions (WxHxD)	406 x 218 x 338mm (15.98" x 8.58" x 13.31")
Mechanical (Package)	Weight (With hard disks)	6.06Kg (13.36 LBS)
Language		English, Spanish, French, German, Italian, Polish, Portuguese, Russian, Turkish, Japanese, Czech, Swedish, Danish, Korean, Chinese, Netherland, Thai, Romanian, Serbian, Croatian, Hungarian, Greek

Dimensions

Unit : mm (inch)



SEB-1007R N		SEB-1007R P
ELECTRICAL		
Input Voltage	DC 12V (by UTP)	
Power Consumption	2.6W	
VIDEO		
Imaging Device	1/4" CMOS	
Total Pixels	680 x 512	
Scanning System	Interface	
Synchronization	Internal	
Frequency	H : 15,734 Hz, V : 59.94 Hz	H : 15,625, V : 50 Hz
Horizontal Resolution	520TVL	
Min. Illumination	OLUX (IR-LED)	
S/N Ratio (Y Signal)	46dB	
UTP	Built-in UTP TX, Maximum Transmission Length : 655ft (UTP CAT 5e)	
	Balanced Differential Impedance : 100 ohm	
LENS		
Focal Length	3.6mm	
Max. Aperture Ratio	2	
Angular Field of View	H : 56°, V : 42°	
OPERATIONAL		
Shutter Mode	Auto	
Gain Control	Auto	
White Balance	Auto (3200°K ~ 6500°K)	
Digital Noise Reduction	Auto	
Day & Night	Auto	
IR Distance	65ft (20EA)	
ENVIRONMENTAL		
Operating Temperature/Humidity	0°C ~ +40°C (+32°F ~ +104°F) / 20% ~ 85%RH	
Ingress Protection	IP66	
MECHANICAL		
Dimension (W x H x D)	59.1 x 59.1 x 72 (2.33" x 2.33" x 2.83")	
Weight	115g (0.25 LBS)	



The Eco mark represents Samsung Techwin's will to create environment-friendly products, and indicates that the product satisfies the EU RoHS Directive.

Design and specifications are subject to change without notice.

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Vi-System – An Essential Surveillance Tool for All Sectors and Industries:

Mass Transportation Hubs: Airports, seaports, train and metro stations and bus terminals face security and safety challenges due to the high traffic of passengers and the consequent need for instant responses to threats. Vi-System enables real-time detection of emerging threats such as unattended objects, breaches to secure zones, crowding, loitering, obstructions to the traffic paths and more.



SUSPICIOUS OBJECT LEFT ON PLATFORM

City Surveillance: Law enforcement agencies require awareness of security and safety incidents and violations in large metropolitan areas in order to prioritize events and effectively allocate law enforcement personnel. Vi-System enables real-time detection of crowding, loitering, unattended objects, breaches to secure zones, vehicles traveling in the wrong direction, interference with assets and more.



STOPPED VEHICLE IN NO STOPPING ZONE

Critical Infrastructure: Power, chemical and nuclear plants, dams and telecommunications stations require real-time detection of security and safety breaches to prevent attacks and accidents with severe ramifications. Vi-System enables real-time detection of perimeter intrusion, breaches to secure zones, human or vehicle tailgating and more.



PERIMETER INTRUSION BY PERSON

Government & Military Facilities: Government or military buildings and installations face challenges in ensuring secure and safe environments for personnel, high-level decision-making and protection of valuable assets. Vi-System enables real-time detection of perimeter intrusion, tailgating, vehicles stopped in restricted zones, crowd formation, blocking of fire exits, interference with assets and more.



PERSON IN VEHICLE-ONLY ZONE

Highway Surveillance: Highways and expressways seek to prevent accidents and enhance traffic flow to guarantee safety and ensure the smooth operation of main routes and arteries. Vi-System enables real-time detection of stopped vehicles and traffic obstacles, vehicle counting for traffic analysis and more.



ILLEGALLY STOPPED VEHICLE ON HIGHWAY

Retail: Shopping centers and stores are constantly looking to increase customer safety, improve operational performance and enhance loss prevention efforts. Vi-System enables real-time detection of loitering in high-value product areas, reaching over counters, inventory monitoring of sensitive areas, stock delivery tracking, people counting for analysis of store traffic and more.



PEOPLE COUNTING, INCOMING AND OUTGOING

Cameras placed where they need to be, not where they have to be

MPT 2500 Rugged-i™

Ultra Power-Efficient Wireless Solar Video Surveillance Camera

FULLY SELF-CONTAINED WIRELESS VIDEO CAMERA

Traditional video surveillance cameras have been limited in their range of installation by the infrastructure required to support operation. The Rugged-i is a fully self-contained, solar-powered wireless outdoor video camera which allows for placement practically anywhere because it is not constrained by wires or cables. The MicroPower wireless architecture was designed from the ground up to overcome reliability and video quality issues typical of standard wireless IP camera designs and to operate efficiently under congested wireless environments. These features result in significantly lower installation and acquisition costs over solutions that require trenching or large external solar panels.

ULTRA POWER-EFFICIENT GREEN TECHNOLOGY

The Rugged-i is powered by an integrated solar cell array that reduces power consumption by as much as 90 percent, enabling the ability to use small solar panels. Because the solar panels are designed for 20 times the actual camera power consumption, this truly “green” camera solution functions in overcast and inclement weather conditions. An embedded battery allows for continuous operation 365/7/24.

EFFICIENT, FRIENDLY WIRELESS OPERATION

MicroPower's energy-efficient TrustLinx™ technology wirelessly transfers video more efficiently than standard wireless cameras. It has been designed and tested for reliable wireless video transmission, while minimizing wireless collisions. The TrustLinx technology focuses on searching for empty airspace before transmission, creating a friendly environment to other wireless or POS devices to operate without hindrance. In addition, utilizing a hub and spoke architecture, MicroPower video transmission is coordinated between multiple cameras, assuring targeted frame rate performance rather than multiple wireless cameras transmitting randomly which can create chaos in the wireless environment.

QUICK SURVEILLANCE DEPLOYMENT

As many as four Rugged-i cameras can be networked with the MicroPower wireless video hub, the MiniHub™. The wireless connection range between the Rugged-i camera and the MiniHub has been tested to reliably operate in distances up to one-half of a mile using omni-directional antennas. The hub, in turn, controls each camera in the network, decodes the video, and transfers the footage to a network video recorder managed by a video management system.



PRODUCT FEATURES

- Requires no cables for data or power
- Truly wireless video surveillance
- Reduces power up to 90 percent
- Solar powered 24/7/365 operation
- Secure video streaming
- Coexists with existing wireless infrastructures
- Operating range of up to one-half mile
- Ultra easy installation
- Does not require direct solar alignment
- Wide dynamic range for superb image quality in low light conditions

APPLICATIONS

- Parking lot surveillance
- Energy infrastructure and drilling monitoring
- Agriculture resources monitoring
- Sporting and entertainment event security
- Perimeter security
- Border monitoring



SPECIFICATIONS

CAMERA

- Resolution: 640 x 480 VGA
- Frame rate: 5 fps
- Dynamic range: Better than 70dB
- Low-light performance: 0.5 lux

IMAGING TECHNOLOGY

- DigitalClarity® ultra low- power CMOS image sensor
- System-On-a-Chip (SOC)-completely integrated camera system
- Superior low-light performance

LENS

- Maximum Field of view: 97°
- Varifocal 2.8 – 8 mm, Varifocal 15 – 50 mm

VIDEO COMPRESSION

- MJPEG
- Video codec quality typically better than 34dB PSNR
- Compression rate: Better than 20:1
- Multiple stream support

VMS SYSTEM INTEGRATION

- MPT API, RTSP, HTTP

POWER

- Length of operation: Indefinitely outdoors with solar cell

PHYSICAL

- Size: 16" x 6" x 5" (40.64 cm x 15.24 cm x 12.70 cm)
- Weight: 14 lbs. (6.35 kg)

ENVIRONMENTAL

- Operating temperature range:
 - -20° C to 50° C
- Ambient operating humidity
 - Long-term: 5% to 85% non-condensing
 - Short-term: 5% to 95% non-condensing
- IP66 compliant

RUGGEDIZATION

- Vibration: 0.5G, 3 axis, 5-30 Hz
- Enclosure: NEMA Type 4X rated

TECHNOLOGY

- TrustLinx Wireless Protocol
- Optimized for video performance and low power operation
- Outdoor wireless range: Up to one-half mile with omnidirectional antennas
- Rugged-I to Hub Encryption: Advanced proprietary encryption
- Throughput: 5 fps VGA in a network of up to 4 cameras per hub
- Link reliability: 99.9%
- License-free operation: 2.4 GHz, 900 MHz

CASING

- IP66 rated enclosure

INCLUDED ACCESSORIES

- Mounting Bracket
- 900 MHz and 2.4 GHz antennas
- Installation Guide
- RF Optimization Guide

PowerMaxPro

Professional, all-in-one home security solution



Visonic's PowerMax®Pro brings an entirely new level of versatility, connectivity and style to the world of home security and control. This comprehensive, multi-function wireless solution fully meets consumers' demands for attractive, easy-to-use, yet flexible, security and management of their homes. It delivers exceptional reliability, performance and ease of installation due to the uniquely robust, professional-grade architecture.

- Sleek contemporary design
- Comprehensive Internet-based operation and surveillance via PowerLink
- Wide range of remote control and reporting options via Internet, phone and SMS
- Simple, icon-based operation
- Easy installation - with intuitive menus and voice prompts
- Market-leading range of wireless peripherals
- Modular design - for easy upgrades
- Field-proven - in more than half a million installations



Visonic®

For a secure way of life

PowerMaxPro

Elegant, all-in-one solution

- Elegant design fits contemporary tastes and décor
- Multiple, easily added internal and external communication modules (GSM/GPRS/CDMA/IP)
- Extensive choice of additional modules, including two-way keyfob, factory-installed proximity card reader
- Seamless integration with Visonic's PowerLink for Internet-based home control and surveillance
- Up to three RS232 terminals for external GSM, PowerLink and local PC communication
- Two interchangeable languages (optional) - ideal for multicultural markets
- Partition-ready - up to four partitions for mixed-use residences with home office, household help/guest living quarters, etc.

Enables streamlined operations and advanced services

- Easily added communication modules, interchangeable languages - enable you to meet diverse needs whilst simplifying inventory management
- Easy, flexible OEM customisation - including panel shell, languages, display texts, voice prompts
- Opens the way to advanced applications

Intelligent architecture

- Full protection of all mission-critical components, including internal power supply, main PCB and outputs
- Isolated battery compartment, providing up to 72 hours' backup
- Diversity antenna for superb-quality transmission and reception
- Internal GSM module with optional external antenna improves cellular transmission and reception
- Internal PowerLink module - for Internet-based operation and surveillance
- Dedicated channels and side openings ensure easy wiring

Built for easy installation, reliable operation

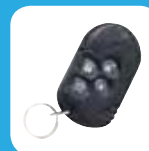
- Visual and audio system status notifications
- Easy-view large-font 16-character LCD
- Icon-based keypad - reduces training and support
- Easy-enrol, easy-use proximity tags and keyfobs
- Simple, menu-based programming
- Field-proven reliability
- Full ISO 9001 certification
- Complies with most international standards and regulations, including FCC, CE, EN50131 Grade 2, WEEE, RoHS

Wide range of wireless peripherals

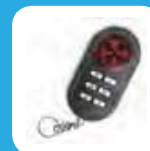
Extend the value of your offering with these recommended wireless transmitters and detectors.*



**CO
Detector**



Keyfob



**Two-way
Keyfob**



**Temperature
Detector**



**Two-way
Keypad**



**PowerLink
Module**



**Smoke
Detector**



**Remote
Commander**



**GSM/GPRS
Modules**



**Flood
Detector**



**Magnetic
Contact**



**Motion
Detector**



**Network
Camera**



**Indoor
Siren**



**Outdoor
Siren**

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Ceiling Light CCD Camera

Dual Angle Adjustment - High Resolution

- 1/3" Color High Resolution CCD camera
- 540TVL 0.001 Lux
- 3.7 mm Pinhole Lens
- Day & Night
- SDNR (Super Digital Noise Reduction)
- DC12V 150mA



Brightness Adjustment



Angle Adjustment

Specification

Type:	1/3" CCD Color
Signal System:	NTSC /PAL
image Sensor:	811(H)x508(V) (NTSC) / 795(H)x596(V) (PAL)
Scanning System:	540 Lines, 60 Fields/sec (NTSC) / 625 Lines, 50 Fields/sec (PAL)
Sync System:	Internal / Line-Lock
Mini Illumination:	0.001 Lux
Lens:	3.7mm Pinhole Lens
Resolution:	540TVL
White Balance:	Auto
Gain Control:	Auto
S/N Ratio:	52dB (MIN)
Angle Adjustment:	dual 75°
Slowshutter:	0 - 32X
Color:	Metal Silver
Video Output:	Composite Output 1.0V p-p at 75Ω
Gamma Correction:	0.45/1.0
Operational Temperature:	-20°C ~ 50°C
Operational Humidity:	within 85% RH
Power Supply:	DC12V 150mA



Banks



Elevators



Retail Stores



Easy to Install

Camera Wristwatch

Plug and Play Spy Cam

Product Features:

This stylish watch comes with a hidden DVR camera capable of shooting video as well as photos.

Provides high quality videos at 30fps and a video resolution of 640x480.

The camera is totally hidden with no blinking lights!

No one will even know you are recording while you look at your watch.

Takes up to 2 hours of video recording and takes pictures in JPG format.

Technical Specifications:

- Built-in lithium battery voltage: 4.2V
- Battery Capacity: 270mHA
- USB Version: USB 1.1/2.0
- Megapixel of camera: 2M pixels
- Video output formats: AVI
- Storage Memory: Built-in Flash 4GB
- Photo formats: JPEG
- Photo resolution: 2M pixels
- Image resolution: 640x480 pixels
- Frame Rate : 30fps



Video Camera Sunglasses

Product Features:

Capture videos/pictures for spy, evidence, fun, extreme sports ETC.

Quality Polarized Sunglass

Memory Slot for Micro SD Card

Easy connection with PC/Laptops, no driver needed

Real time recording, never let memorable moments sneak away

Technical Specifications:

- Camera hardware resolution: 1.3m pixels
- Card Slot: TF/Micro SD card
- Resolution 320*240
- Playing Speed: 30fps
- Power Supply: built-in 550mAh li-polymer rechargeable battery
- Power duration: 4-5 hours
- Power Adaptor: 5V DC/500 mAh
- Accessories : USB Cable, User Manual



Button Spy Camera

Video / Photo / Sound Recorder

Product Features:

Dimension: 73mm x 20mm x 11mm

It's great for use as a hidden cam, spy cam etc

Color video with voice lets you clearly see who's there & hear what they say

Place it up high or conceal it down low? With built-in rechargeable battery so there's no long cord for you to hide

Technical Specifications:

- Color Video: YES
- MIC: YES
- Recording Range: 2~3 Meters Video, 1~2 Meters Audio
- PC interface: USB
- Lens: 3.6mm wide angle lens
- Recording Format: AVI (640x480)
- Materials: Metal with black painted finish, buttons are plastic



SPY CAMERA CLOCK

Motion Detection DVR Camcorder

Product Features:

This new analog clock DVR is just the item you need if you are looking for covert surveillance.

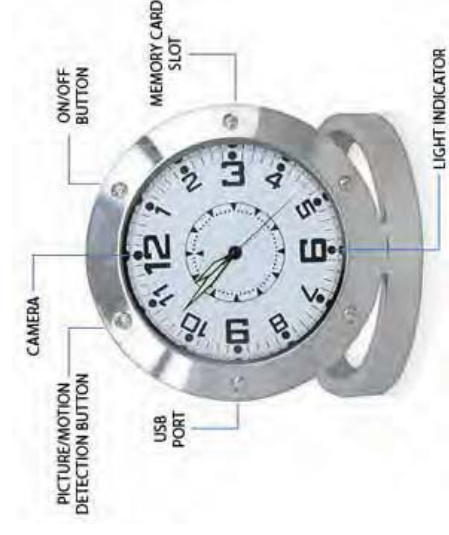
At 2.75 inches wide and .75 inches tall, it is small, portable and folds up as a travel clock.

With the camera placed at the 12 o'clock position, classic styling and a motion detection sensor, no one will ever suspect that they are being recorded.

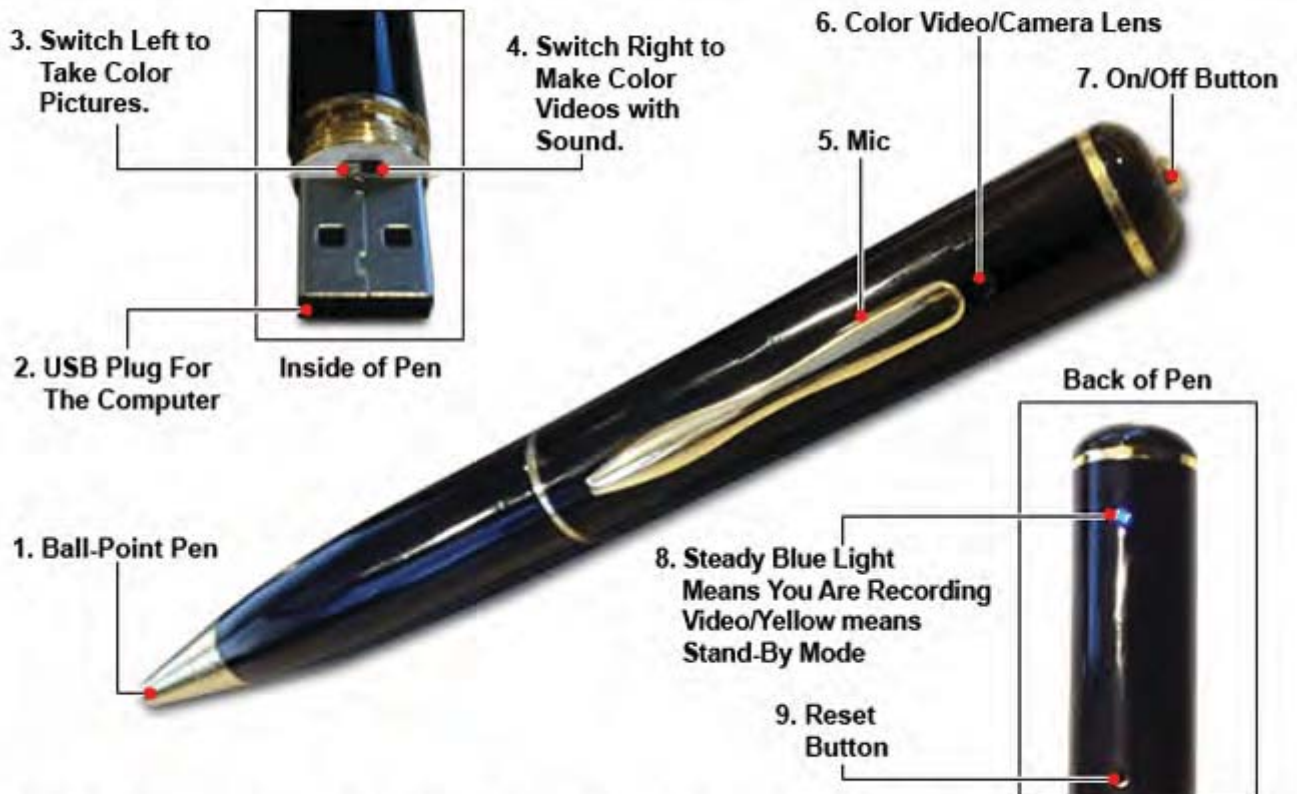
It works as any standard analog clock, while supporting VGA quality video, 8GB SD card and USB 2.0.

Technical Specifications:

- Resolution: 640 x 480 @ up to 30fps
- Video format: AVI
- Battery life per charge: Up to 12 hours of video recording
- Charging time: 4 hours
- Records: Audio and Video
- Range for audio is 1-3 Meters
- Range for video up to 8 Meters
- Storage: Supports up to 8GB Micro SD cards
- OS: Windows XP/Vista/7



PEN VIDEO CAMERA



1. Fine Ball-Point Pen to write with. 2. USB Plug for Computer. Plus it can be used as a thumb drive to save important documents. 3. Toggle Switch to Left for taking Color Pictures. 4. Toggle Switch to Right to make color videos with Audio. 5. Built in Mic. 6. Pin-Hole size color video/camera lens. 7. On/Operation Button. 8. Reset button. 9. Steady Blue Light while recording **NO BLINKING LIGHTS**.

AXIS P13 Network Camera Series

Superb image quality for video surveillance in any environment.



- > Superb video quality including HDTV
- > P-Iris control
- > Multiple H.264 and Motion JPEG video streams
- > Digital PTZ and multi-view streaming
- > Focus assistant and remote back focus

AXIS P13 Network Cameras, which include megapixel/HDTV models, deliver superb image quality with H.264 compression and are ideal for high-performance video surveillance in any environment.

AXIS P13 Series consists of AXIS P1311 with VGA resolution; AXIS P1343 with SVGA resolution; AXIS P1344 with 1 megapixel resolution that also enables HDTV 720p video; and AXIS P1346, a 3 megapixel camera with support for HDTV 1080p full frame rate video. The latter three models have wide dynamic range, and day and night functionality for superb image quality in daylight and dark conditions.

AXIS P1346 additionally offers the unique and revolutionary P-Iris control, which allows the camera to precisely control the iris position to optimize depth of field and lens resolution for optimal image sharpness.

All AXIS P13 cameras can deliver multiple, individually configurable streams in H.264 and Motion JPEG. H.264 greatly reduces bandwidth and storage needs without compromising image quality. With AXIS P1311, MPEG-4 Part 2 is also supported.

AXIS P1343/P1344/P1346 cameras feature digital pan/tilt/zoom. AXIS P1346 additionally supports multi-view streaming, where the full view and several areas cropped from the full view can be streamed simultaneously.

Installation is made easy with Power over Ethernet, the focus assistant and the pixel counter. The remote back focus function on AXIS P1343/P1344/P1346 enables the focus to be fine-tuned from a computer.



Technical specifications – AXIS P13 Network Camera Series

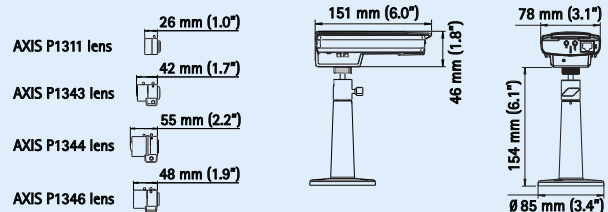
Camera	
Models	AXIS P1311: VGA resolution AXIS P1343: SVGA resolution, day and night AXIS P1344: 1 MP/HDTV 720p, day and night AXIS P1346: 3 MP/HDTV 1080p, day and night
Image sensor	AXIS P1311: Progressive scan RGB CMOS 1/4" AXIS P1343: Progressive scan RGB CMOS 1/4" AXIS P1344: Progressive scan RGB CMOS 1/4" AXIS P1346: Progressive scan RGB CMOS 1/3" (effective)
Lens	AXIS P1311: 4.0 mm: 42° view*, F1.2, fixed iris, CS mount AXIS P1343: Varifocal 3–8 mm: 25° – 59° view*, F1.4, DC-iris, CS mount AXIS P1344: Varifocal 3–8 mm: 32° – 74° view*, F1.2, DC-iris, CS mount AXIS P1346: Varifocal 4–10 mm: 29° – 61° view*, F1.8, P-Iris, CS mount AXIS P1343/P1344/P1346: Remote back focus AXIS P1346 also supports DC-iris lenses *horizontal angle of view
Day and night	AXIS P1343/P1344/P1346: Automatically removable infrared-cut filter
Light sensitivity/ Min. illumination	AXIS P1311: Color: 0.6 – 30000 lux, F1.2 AXIS P1343: Color: 0.3 lux, B/W: 0.05 lux, F1.4 AXIS P1344: Color: 0.3 lux, B/W: 0.05 lux, F1.2 AXIS P1346: Color: 0.6 lux, B/W: 0.08 lux, F1.8
Shutter time	AXIS P1311: 1/5000 s to 1/4 s AXIS P1343/P1344: 1/24500 s to 1/6 s AXIS P1346: 1/35500 s to 1/6 s
Video	
Video compression	AXIS P1311: H.264 (MPEG-4 Part 10/AVC), Motion JPEG, MPEG-4 Part 2 AXIS P1343/P1344/P1346: H.264 (MPEG-4 Part 10/AVC), Motion JPEG
Resolutions	AXIS P1311: 640x480 (VGA) to 160x120 AXIS P1343: 800x600 (SVGA) to 160x90 AXIS P1344: 1280x800 (1 MP) to 160x90 AXIS P1346: 2048x1536 (3 MP) to 160x90
Frame rate H.264/ Motion JPEG	AXIS P1311/P1343/P1344: 30 fps in all resolutions AXIS P1346: 3 MP mode: 20 fps in all resolutions; 2 MP 4:3 (1600x1200) and 1080p (1920x1080) mode: 30 fps in all resolutions
Video streaming	Multiple, individually configurable streams in H.264 and Motion JPEG Controllable frame rate and bandwidth VBR/CBR H.264
Multi-view streaming	AXIS P1346: Up to 8 individually cropped out view areas. 20 fps per stream in H.264/Motion JPEG when streaming 5 view areas in VGA resolution (3 MP capture mode)
Pan/Tilt/Zoom	AXIS P1343/P1344/P1346: Digital PTZ, preset positions, guard tour
Image settings	Compression, color, brightness, sharpness, contrast, white balance, exposure control, exposure zones, backlight compensation, fine tuning of behavior at low light, rotation Text and image overlay, privacy mask AXIS P1343/P1344/P1346: Wide dynamic range – dynamic contrast, mirroring of images
Audio	
Audio streaming	Two-way
Audio compression	AAC LC 8/16 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz Configurable bit rate
Input/output	Built-in microphone, external microphone input or line input, line output
Network	
Security	Password protection, IP address filtering, digest authentication, HTTPS encryption*, IEEE 802.1X network access control*, user access log
Supported protocols	IPv4/v6, HTTP, HTTPS*, QoS Layer 3 DiffServ, FTP, SMTP, Bonjour, UPnP, SNMPv1/v2c/v3(MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS

System integration	
Application Programming Interface	Open API for software integration, including VAPIX® from Axis Communications available at www.axis.com
Intelligent video	Video motion detection, active tampering alarm, audio detection
Alarm triggers	Intelligent video, external input
Alarm events	File upload via FTP, HTTP and email; notification via email, HTTP and TCP; external output activation; video recording to local storage
Video buffer	AXIS P1311: 16 MB pre- and post alarm AXIS P1343/P1344: 48 MB pre- and post alarm AXIS P1346: 64 MB pre- and post alarm
General	
Casing	Metal (zinc)
Processors and memory	AXIS P1311: ARTPEC-B, 64 MB RAM, 32 MB Flash AXIS P1343/P1344: ARTPEC-3, 128 MB RAM, 128 MB Flash AXIS P1346: ARTPEC-3, 256 MB RAM, 128 MB Flash
Power	8–20 V DC Power over Ethernet (PoE) IEEE 802.3af AXIS P1311: max. 2.8 W, PoE Class 1 AXIS P1343/P1344: max. 6.4 W, PoE Class 2 AXIS P1346: max. 9.6 W, PoE Class 3
Connectors	RJ-45 10BASE-T/100BASE-TX PoE 3.5 mm mic/line in, 3.5 mm line out Terminal blocks for power, 1 alarm input and 1 output
Local storage	SD/SDHC memory card slot (card is not included)
Operating conditions	Humidity 20 – 80% RH (non-condensing) AXIS P1311: -10 °C to 55 °C (14 °F to 131 °F) AXIS P1343/P1344/P1346: 0 °C to 50 °C (32 °F to 122 °F)
Approvals	EN 55022 Class B, EN 61000-3-2, EN 61000-3-3, EN 55024, FCC Part 15 Subpart B Class B, ICES-003 Class B, VCCI Class B, C-tick AS/NZS CISPR 22, EN 60950-1
Weight	AXIS P1311: 590 g (1.3 lb.); AXIS P1343: 590 g (1.3 lb.) AXIS P1344: 620 g (1.4 lb.); AXIS P1346: 630 g (1.4 lb.)
Included accessories	Mounting and connector kits, Installation Guide, CD with installation tools, recording software and User's Manual, Windows decoder 1-user license
Optional accessories and software	Various housings, AXIS T90A Illuminators, lenses AXIS Camera Station and video management software from Axis' Application Development Partners. For more software information, see www.axis.com/products/video/software/

* This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (www.openssl.org)

More information is available at www.axis.com

Dimensions



Technical Specifications

System	<ul style="list-style-type: none"> • CPU: WTK-1000 SoC • Flash: 8MB • RAM: 64MB • Embedded OS: Linux 2.4 	Networking	<ul style="list-style-type: none"> • 10/100 Mbps Ethernet, RJ-45 • Protocols: IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTPS/RT/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, CoS and 802.1X
Pan/Tilt/Zoom	<ul style="list-style-type: none"> • Pan range: 360° continuous rotation • Tilt range: 0° ~ 90° flip • 18x optical zoom • Pan speed: 0.1° ~ 300°/sec • Tilt speed: 0.1° ~ 120°/sec • Auto pan mode • Auto patrol mode 	Alarm and Event Management	<ul style="list-style-type: none"> • Triple-window video for motion detection • Four DI and one DO for external sensor and alarm • Event notification using HTTP, SMTP or FTP • Local recording of MP4 file
Lens	<ul style="list-style-type: none"> • 18x optical zoom lens, $f = 4.1 \sim 73.8$ mm, F1.4 (wide), F3.0 (tele), auto-iris, focus range: 250 mm (wide), 800 mm (tele) to infinity • Removable IR-cut filter for day & night function 	Security	<ul style="list-style-type: none"> • Multi-level user access with password protection • IP address filtering • HTTPS encrypted data transmission
Angle of View	• 2.8° ~ 48° (horizontal)	Users	<ul style="list-style-type: none"> • Live viewing for up to 10 clients
Shutter Time	• 1/2 sec. to 1/10,000 sec.	Dimension	<ul style="list-style-type: none"> • \varnothing 200 mm x 270 mm
Image Sensor	<ul style="list-style-type: none"> • SONY 1/4" progressive scan CCD sensor in VGA resolution 	Weight	<ul style="list-style-type: none"> • Net: 3,740 g
Minimum Illumination	<ul style="list-style-type: none"> • 1.61 Lux (F1.4, 1/30s) • 0.38 Lux (F1.4, 1/30s, without IR-cut filter) 	LED Indicator	<ul style="list-style-type: none"> • System power and status indicator • System activity and network link indicator
Video	<ul style="list-style-type: none"> • Compression: MJPEG & MPEG-4 • Streaming: <ul style="list-style-type: none"> • Simultaneous dual streams • MPEG-4 streaming over UDP, TCP, HTTP or HTTPS • MJPEG-4 multicast streaming • Supports 3GPP mobile surveillance • Frame rates: <ul style="list-style-type: none"> • MJPEG-4: Up to 30/25 fps at 640x480 • MJPEG: Up to 30/25 fps at 640x480 	Power	<ul style="list-style-type: none"> • 24V AC 2A 60Hz/50Hz • Power consumption: Max. 42 W
	<ul style="list-style-type: none"> • Adjustable image size, quality and bit rate • Time stamp and text caption overlay • Flip & mirror • Configurable brightness, sharpness, white balance and exposure • AGC, AWB, AES • Automatic, manual or scheduled day/night mode • BLC (Backlight Compensation) 	Housing	<ul style="list-style-type: none"> • Weather-proof IP66-rated housing
	<ul style="list-style-type: none"> • Compression: MJPEG & MPEG-4 • Streaming: <ul style="list-style-type: none"> • Simultaneous dual streams • MJPEG-4 streaming over UDP, TCP, HTTP or HTTPS • MJPEG-4 multicast streaming • Supports 3GPP mobile surveillance • Frame rates: <ul style="list-style-type: none"> • MJPEG-4: Up to 30/25 fps at 640x480 • MJPEG: Up to 30/25 fps at 640x480 	Approvals	<ul style="list-style-type: none"> • CE, LVD, FCC, VCCI, C-Tick
	<ul style="list-style-type: none"> • Adjustable image size, quality and bit rate • Time stamp and text caption overlay • Flip & mirror • Configurable brightness, sharpness, white balance and exposure • AGC, AWB, AES • Automatic, manual or scheduled day/night mode • BLC (Backlight Compensation) 	Operating Environments	<ul style="list-style-type: none"> • Temperature: 20 ~ 60 °C (4 ~ 140 °F) • Humidity: 20% ~ 80% RH
	<ul style="list-style-type: none"> • Compression: MJPEG & MPEG-4 • Streaming: <ul style="list-style-type: none"> • Simultaneous dual streams • MJPEG-4 streaming over UDP, TCP, HTTP or HTTPS • MJPEG-4 multicast streaming • Supports 3GPP mobile surveillance • Frame rates: <ul style="list-style-type: none"> • MJPEG-4: Up to 30/25 fps at 640x480 • MJPEG: Up to 30/25 fps at 640x480 	Viewing System Requirements	<ul style="list-style-type: none"> • OS: Microsoft Windows 7/Vista/XP/2000 • Browser: Mozilla Firefox, Internet Explorer 6.x or above • Cell phone: 3GPP player • Real Player: 10.5 or above • Quick Time: 6.5 or above
	<ul style="list-style-type: none"> • Adjustable image size, quality and bit rate • Time stamp and text caption overlay • Flip & mirror • Configurable brightness, sharpness, white balance and exposure • AGC, AWB, AES • Automatic, manual or scheduled day/night mode • BLC (Backlight Compensation) 	Installation, Management, and Maintenance	<ul style="list-style-type: none"> • Installation Wizard 2 • 32-CH ST7501 recording software • Supports firmware upgrade
	<ul style="list-style-type: none"> • Compression: <ul style="list-style-type: none"> • GSM-AMR speech encoding, bit rate: 4.75 kbps to 12.2 kbps • MPEG-4 AAC audio encoding, bit rate: 16 kbps to 128 kbps • G.711 audio encoding, bit rate: 64 kbps, μ-Law or A-Law mode selectable • Interface: <ul style="list-style-type: none"> • External microphone input • Audio output • Supports two-way audio via SIP protocol • Supports audio mute 	Applications	<ul style="list-style-type: none"> • SDK available for application development and system integration
	<ul style="list-style-type: none"> • Compression: <ul style="list-style-type: none"> • GSM-AMR speech encoding, bit rate: 4.75 kbps to 12.2 kbps • MPEG-4 AAC audio encoding, bit rate: 16 kbps to 128 kbps • G.711 audio encoding, bit rate: 64 kbps, μ-Law or A-Law mode selectable • Interface: <ul style="list-style-type: none"> • External microphone input • Audio output • Supports two-way audio via SIP protocol • Supports audio mute 	Warranty	<ul style="list-style-type: none"> • 24 months

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Ver 5.5

Speed Dome Network Camera SD7151

Progressive Scan CCD • 18x Zoom Dual Streams • Day & Night

VIVOTEK's SD7151, equipped with an 18x optical zoom lens, is a high performance day/night speed dome network camera suitable for professional surveillance applications. It represents another significant addition to VIVOTEK's high-end, progressive-scan network camera portfolio.

Complementing the Sony 18x optical zoom lens is the progressive CCD sensor, allowing for not only for exceptional detail on enlarged images taken from faraway distances, but also crystal-clear, razor-sharp images of fast-moving objects without jagged edges. With its sophisticated pan/tilt mechanism, this camera provides fast, precise movement with continuous 360-degree pan and 90-degree tilt. You can easily control the lens position via mouse or joystick to track the object you are interested in and define up to 128 presets for patrolling.

The day and night functionality makes this camera ideal for operating under diverse lighting conditions. When light conditions turn poor, the IR-cut filter will be automatically removed to accept IR illumination. At the same time, the camera switches itself automatically from color to black and white, ensuring optimal image quality at all times.

Additional advanced features including 3GPP mobile surveillance, two-way audio via SIP protocol, and digital I/O for external sensors and alarms make the VIVOTEK SD7151 a truly full-featured speed dome. It is the best solution for various enterprise projects such as airports, highways, parking lots, and shopping malls, where high-level reliability and precision is an absolute requirement.

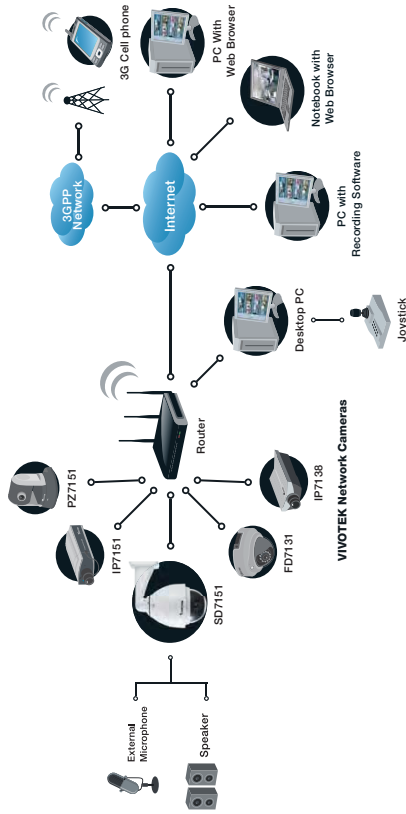


Product Features

- SONY Progressive Scan CCD Sensor in VGA Resolution
- 18x Zoom Lens
- 360° Continuous Pan and 0° ~ 90° Flip Tilt
- Removeable IR-cut Filter for Day & Night Function
- Real-time MPEG-4 and MJPEG Compression (Dual Codec)
- Simultaneous Dual Streams
- Weather-proof IP66-rated Housing
- 3GPP Mobile Surveillance
- Easy, Fast, Accurate PTZ Control by Joystick
- Two-way Audio via SIP Protocol
- Digital I/O for External Sensor and Alarm



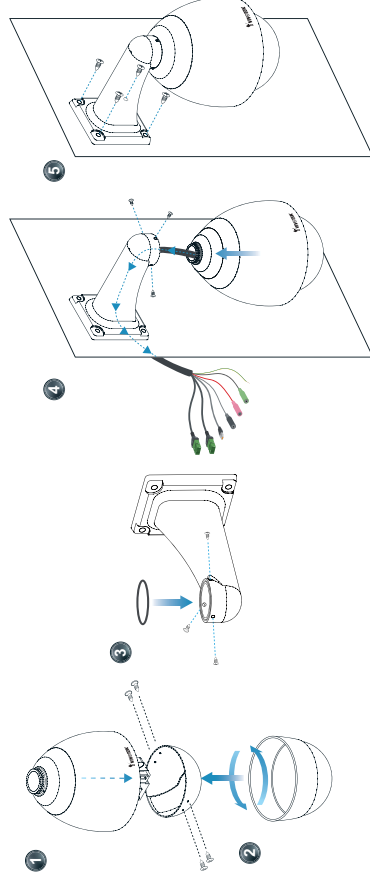
System Overview



Versatile Applications



Easy Installation



Technical Zone



Progressive Scan CCD Sensor
Optimum solution for shooting high-speed moving objects

The progressive scan CCD sensor offers an excellent solution for shooting high-speed moving objects. It can clearly capture images of objects in motion that traditional interlaced-scan techniques cannot achieve. Unlike traditional interlaced-scan techniques, progressive scanning scans all lines of an image simultaneously so as to present razor-sharp, clear, and high-resolution snapshots



18x Optical Zoom Lens
Providing unprecedented image quality

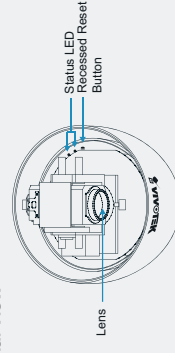
Utilizing a Sony 18x optical zoom lens, the VIVOTEK SD7151 allows for close-up images with exceptional detail and effectively extends the viewable distance. You can quickly and easily zoom in on distant objects or a small target with unprecedented image quality, even when enlarged.



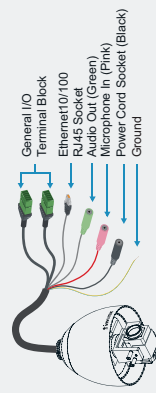
Day & Night Function
The best solution for 24-hour surveillance

The VIVOTEK SD7151 is equipped with a removable IR-cut filter, which is automatically removed at night time to allow IR light into the sensor to maximize sensitivity in low light conditions and to improve image clarity. The camera will automatically switch from color to black and white, assuring optimal image quality at all times.

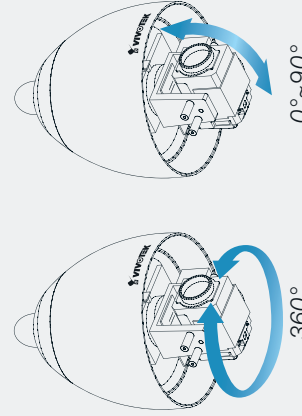
Internal View



Connectors



Pan range: 360° Continuous Rotation
Tilt range: 0° ~ 90° Flip



AXIS 212PTZ/212PTZ-V Network Cameras

Full overview and instant zoom – without moving parts.



- > Full overview
- > Instant Pan/Tilt/Zoom
- > 3x zoom
- > No moving parts
- > Vandal-resistant

AXIS 212 PTZ/212 PTZ-V are no ordinary PTZ cameras. They are the only PTZ network cameras that provide full overview, and instant, one-click pan/tilt/zoom – with maintained sharp image resolution. And it's all done without moving parts, so there's no wear and tear. In short, it's a whole new definition of PTZ.

A full 140° field of view provides video of the entire monitored area. Conventional PTZ cameras can view only one part of the whole video scene at a time.

Zooming in from full overview to close-up is instant, in one-step clicks. There's no delayed reaction. Pan and tilt functions work in the same way.

Many cameras cannot deliver an overview with sharp resolution, nor maintain resolution when zooming. AXIS 212 PTZ network cameras, with their 3x zoom, maintain sharp images at all times.

AXIS 212 PTZ network cameras are unique in using a wide-angle lens and a 3 megapixel sensor to achieve PTZ functionality. No moving parts are needed, which means no wear and tear.

AXIS 212 PTZ-V has a vandal-resistant casing that provides effective protection against tampering as no part can be forcibly moved.

AXIS 212 PTZ/212 PTZ-V are easy to install with built-in Power over Ethernet and an angled wall mount.

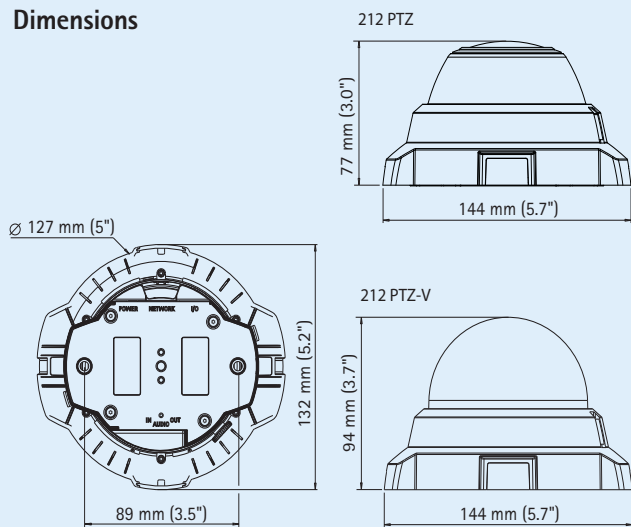


Technical specifications – AXIS 212PTZ/212PTZ-V Network Cameras

Camera		Network	
Models	AXIS 212 PTZ: Tamper-resistant casing AXIS 212 PTZ-V: Vandal-resistant casing	Security	Password protection, IP address filtering, HTTPS encryption, IEEE 802.1X network access control
Image sensor	1/2" progressive scan CMOS 3.1 Megapixel	Supported protocols	IPv4/v6, HTTP, HTTPS, QoS Layer 3 DiffServ, FTP, SMTP, Bonjour, UPnP, SNMPv1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS
Lens	F1.8, fixed iris, focal length: 2.7 mm Angle of view, horizontal: 44° – 140° vertical: 35° – 105°	System integration	
Minimum illumination	10 lux wide mode, 20 lux tele mode	Application Programming Interface	Open API for software integration, including VAPIX® from Axis Communications available at www.axis.com
Shutter time	1/10000 s to 1/5 s	Intelligent video	Video motion detection, audio detection
Pan/Tilt/Zoom	3x zoom, 0.1 s from wide to tele 20 preset positions ± 70° pan ± 52° tilt Max speed 400°/s Guard Tour Designed for continuous movement	Alarm triggers	Intelligent video and external input
Video		Alarm events	File upload via FTP, HTTP and email Notification via email, HTTP and TCP External output activation
Video compression	MPEG-4 Part 2 (ISO/IEC 14496-2) Motion JPEG	Video buffer	9 MB pre- and post alarm
Resolutions	160x90 to 640x480	General	
Frame rate MPEG-4	Up to 30 fps in VGA at max. zoom	Casing	AXIS 212 PTZ-V: 1000 kg (2200 lb) impact-resistant casing
Frame rate Motion JPEG	Up to 30 fps in VGA at max. zoom	Processors and memory	ARTPEC-A, 32MB RAM, 8MB Flash
Video streaming	Simultaneous MPEG-4 and Motion JPEG Controllable frame rate and bandwidth VBR/CBR MPEG-4	Power	4.9 – 5.1 V DC max 3.6 W Power over Ethernet IEEE 802.3af Class 1
Image settings	Compression, color, brightness, sharpness, white balance, exposure control, fine tuning of behavior at low light Text and image overlay	Connectors	RJ-45 Ethernet 10BaseT/100BaseTX PoE, DC jack Terminal block for 1 alarm input and 1 output 3.5 mm mic/line in, 3.5 mm line out
Audio		Operating conditions	5 – 40 °C (41 – 104 °F) Humidity 20 – 80% RH (non-condensing)
Audio streaming	Two-way, half-duplex	Approvals	EN 55022 Class B, EN 55024, EN 61000-3-2, EN 61000-3-3, FCC Part 15 Subpart B Class BVCCI Class B, ICES-003 Class B, C-tick AS/NZS CISPR 22, EN 60950 Power supply: UL, CSA
Audio compression	AAC LC 8 kHz 32 kbit/s G.711 PCM 64 kbit/s G.726 ADPCM 32 or 24 kbit/s	Weight	AXIS 212 PTZ: 504 g (1.1 lb.) AXIS 212 PTZ-V: 660 g (1.5 lb.)
Audio input/output	Built-in microphone, external microphone input or line input, line level output	Included accessories	Power supply, mounting and connector kits, angled wall mount, Installation Guide, CD with installation tools, recording software and User's Manual, Windows decoder 1-user license

More information is available at www.axis.com

Dimensions



Optional accessories

AXIS 295
Video Surveillance Joystick



Vertical tilt adaptor



For information on AXIS Camera Station and video management software from Axis' Application Development Partners, see www.axis.com/products/video/software/

AXIS 215 PTZ Network Camera

Compact pan/tilt/zoom camera for 360° video surveillance.



- > Pan, tilt and zoom
- > 12x optical zoom
- > 360° pan with Auto-flip
- > Day and night function
- > Audio detection alarm
- > Simultaneous MPEG-4 and Motion JPEG

AXIS 215 PTZ Network Camera, with its unique pan/tilt/zoom capabilities and tamper-resistant design, is the perfect solution for video surveillance in retail stores, banks, receptions and schools.

The camera offers advanced remote monitoring with pan, tilt and zoom over IP networks. The total magnification capacity of 48x (12x optical zoom and 4x digital zoom) increases monitoring options with the ability to show a detailed and precise view of the zoomed-in area.

AXIS 215 PTZ has 360° pan capability, thanks to the unique Auto-flip function. Auto-flip allows the camera to simulate a continuous pan beyond the mechanical stop, thereby enabling an operator to continuously follow an object.

The E-flip function flips the image electronically 180°, allowing a person or object to be followed when passing directly below the camera in the correct orientation without a repositioning delay.

The camera has automatic day and night functionality with a removable IR-cut filter, providing color video when there is sufficient light and high quality black and white video in dark conditions.

AXIS 215 PTZ can send an alarm at a configurable audio detection level. Its two-way audio support allows users to communicate with visitors and intruders.

Simultaneous MPEG-4 and Motion JPEG video streams allow for optimization in both image quality and bandwidth efficiency.



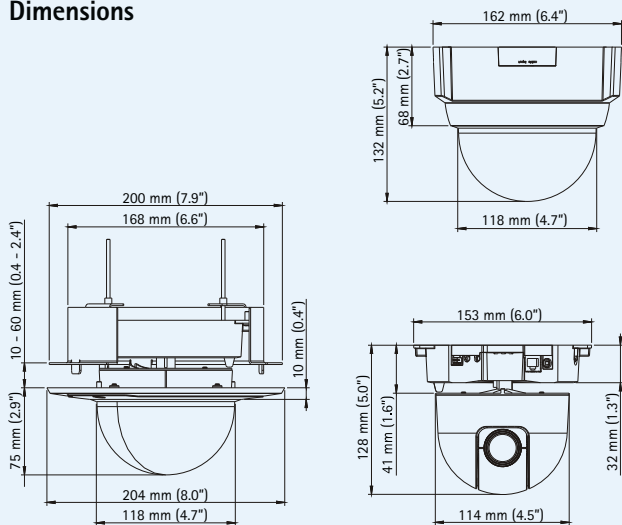
Technical specifications – AXIS 215 PTZ Network Camera

Camera	
Models	AXIS 215 PTZ 60 Hz/NTSC AXIS 215 PTZ 50 Hz/PAL
Image sensor	1/4" interlaced CCD
Lens	3.8 – 46 mm, F1.6 – F2.7, automatic day/night, autofocus Angle of view, horizontal: 4.4° – 51.6°
Minimum illumination	Color: 1 lux at 30 IRE, F1.6 B/W: 0.3 lux at 30 IRE, F1.6
Shutter time	NTSC: 1/50000 to 4/3 s PAL: 1/50000 to 8/5 s
Pan/Tilt/Zoom	20 preset positions Auto-flip, E-flip ±170° (360° via Auto-flip) pan range, 180°/s pan speed 180° tilt range, 140°/s tilt speed 12x optical, 4x digital zoom Control queue, image freeze, sequence mode Support Windows compatible joysticks Designed for operator control
Video	
Video compression	MPEG-4 Part 2 (ISO/IEC 14496-2) Motion JPEG
Resolutions	NTSC: 704x480 to 176x120 PAL: 704x576 to 176x144
Frame rate	Up to 30/25 (NTSC/PAL) in 2CIF/CIF/QCIF
MPEG-4	Up to 26/22 (NTSC/PAL) in 4CIF/2CIFExp
Frame rate	Up to 30/25 (NTSC/PAL) in all resolutions
Motion JPEG	
Video streaming	Simultaneous MPEG-4 and Motion JPEG Controllable frame rate and bandwidth VBR/CBR MPEG-4 ISMA compatible
Image settings	Compression, color, brightness, sharpness, white balance, exposure control, backlight compensation, day/night Rotation 0°, 180° Aspect ratio correction Text and image overlay De-interlace (4CIF resolution)
Audio	
Audio streaming	Two-way, full or half duplex
Audio compression	G.711 PCM 8 kHz 64kbit/s G.726 ADPCM 8 kHz 32 or 24 kbit/s
Audio input/output	External microphone input or line input, line level output

Network	
Security	Password protection, IP address filtering, HTTPS encryption, IEEE 802.1X network access control
Supported protocols	IPv4/v6, HTTP, HTTPS, QoS Layer 3 DiffServ, FTP, SMTP, Bonjour, UPnP, SNMPv1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS
System integration	
Application Programming Interface	Open API for software integration, including VAPIX® from Axis Communications available at www.axis.com
Intelligent video	Video motion detection, audio detection
Alarm triggers	Intelligent video and external input
Alarm events	File upload via FTP, HTTP and email Notification via email, HTTP and TCP External output activation
Video buffer	9 MB pre-and post alarm
General	
Processors and memory	ETRAX FS, ARTPEC-2, 32 MB RAM, 8 MB Flash
Power	12 V DC ±5%, max 14.5 W
Connectors	RJ-45 for 10BASE-T/100BASE-TX Terminal block for 1 alarm input, 1 output and power out for I/O 3.5 mm mic/line in, 3.5 mm line out
Operating conditions	0 – 45 °C (32 – 113 °F) Humidity 20 – 80% RH (non-condensing)
Approvals	EN 55022 Class B, EN 55024, EN 61000-3-2, EN 61000-3-3, EN 60950-1, FCC Part 15 Subpart B Class B, ICES-003 Class B, C-tick AS/NZS 3548 Power supply: UL, CSA, CE
Weight	730 g (1.6 lb.) incl hard ceiling cover 1260 g (2.8 lb.) incl drop ceiling mounting bracket and cover
Included accessories	Installation Guide, CD with User's Manual, recording software, installation and management tools, hard ceiling and drop ceiling mount kits, indoor power supply, transparent and smoked domes, Windows decoder 1-user license

More information is available at www.axis.com

Dimensions



Optional accessories

Various housings



For information on AXIS Camera Station and video management software from Axis' Application Development Partners, see www.axis.com/products/video/software/

Technical Specifications

System	<ul style="list-style-type: none"> CPU: Mozart 120 SoC Flash: 16MB RAM: 128MB + 128MB Embedded OS: Linux 2.6
Lens	<ul style="list-style-type: none"> Board lens, varifocal, f = 3 ~ 9 mm, F1.2 (wide), F2.1 (tele), auto-iris Removable IR-cut filter for day & night function
Angle of View	<ul style="list-style-type: none"> 31.7° ~ 93.0° (horizontal) 23.8° ~ 68.4° (vertical)
Shutter Time	<ul style="list-style-type: none"> 1/5 sec. to 1/40,000 sec.
Image Sensor	<ul style="list-style-type: none"> 1/3.2" CMOS sensor in 1600x1200 resolution
Minimum Illumination	<ul style="list-style-type: none"> 0.1 Lux / F1.2 0 Lux / F1.2 (IR LED on)
IR Illuminators	<ul style="list-style-type: none"> Built-in IR illuminators, effective up to 25 meters IR LED*24
Video	<ul style="list-style-type: none"> Compression: MJPEG & MPEG-4 Streaming: <ul style="list-style-type: none"> Simultaneous multiple streams MPEG-4 streaming over UDP, TCP, HTTP or HTTPS MPEG-4 multicast streaming MJPEG streaming over HTTP or HTTPS Supports active adaptive streaming for dynamic frame rate control Supports video cropping for bandwidth saving Supports ePTZ for data efficiency Supports 3GPP mobile surveillance Frame rates: <ul style="list-style-type: none"> MPEG-4: up to 20 fps at 1280x720 up to 10 fps at 1600x1200 MPEG: up to 30 fps at 1280x720 up to 15 fps at 1600x1200
Image Settings	<ul style="list-style-type: none"> Adjustable image size, quality, and bit rate Time stamp and text caption overlay Flip & mirror Configurable brightness, contrast, saturation, sharpness, white balance and exposure AGC, AWB, AES Automatic, manual, or scheduled day/night mode BLC (Backlight Compensation) Supports privacy masks
Audio	<ul style="list-style-type: none"> Compression: <ul style="list-style-type: none"> GSM-AMR speech encoding, bit rate: 4.75 kbps to 12.2 kbps MPEG-4 AAC audio encoding, bit rate: 16 kbps to 128 kbps G.711 audio encoding, bit rate 64 kbps, μ-Law or A-Law mode selectable Interface: <ul style="list-style-type: none"> External microphone input Audio output Supports two-way audio via SIP protocol Supports audio mute
Networking	<ul style="list-style-type: none"> 10/100 Mbps Ethernet, RJ-45 Protocols: IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTPS/RTTP, RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP and 802.1X
Alarm and Event Management	<ul style="list-style-type: none"> Triple-window video motion detection Tamper detection One DI and one D/O for external sensor and alarm Event notification using HTTP, SMTP or FTP Local recording of MP4 file
On-board Storage	<ul style="list-style-type: none"> SD/SDHC card slot Stores snapshots and video clips
Security	<ul style="list-style-type: none"> Multi-level user access with password protection IP address filtering HTTPS encrypted data transmission 802.1X port-based authentication for network protection
Users	<ul style="list-style-type: none"> Live viewing for up to 10 clients
Dimension	<ul style="list-style-type: none"> Φ 83 x 210 mm
Weight	<ul style="list-style-type: none"> Net: 1600g (including bracket)
LED Indicator	<ul style="list-style-type: none"> System restore status indicator
Power	<ul style="list-style-type: none"> 12V DC 24V AC Power consumption: Max. 7 W 802.3af compliant Power-over-Ethernet
Housing	<ul style="list-style-type: none"> Weather-proof IP67-rated housing
Approvals	<ul style="list-style-type: none"> CE, LVD, FCC, VCCI, C-Tick
Operating Environments	<ul style="list-style-type: none"> Temperature: -20 ~ 50 °C (-4 ~ 122 °F) Humidity: 90% RH
Viewing System Requirements	<ul style="list-style-type: none"> OS: Microsoft Windows 7/Vista/XP/2000 Browser: Mozilla Firefox, Internet Explorer 6.x or above Cell phone: 3GPP player Real Player: 10.5 or above Quick Time: 6.5 or above
Installation, Management, and Maintenance	<ul style="list-style-type: none"> Mounting bracket w/ cable concealment RS-485 interface for scanners, pan/tilts Installation Wizard 2 32-CH ST7501 recording software Supports firmware upgrade
Applications	<ul style="list-style-type: none"> SDK available for application development and system integration
Warranty	<ul style="list-style-type: none"> 24 months

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Ver 1.3



Network Bullet Camera IP7361 2MP • Outdoor • Day & Night • Cable Management

VIVOTEK IP7361 is a high-end 2-megapixel network bullet camera for outdoor surveillance. With high resolution and a combination of outdoor-specific features such as concealed wiring to prevent tampering, the IP7361 is the camera of choice for applications such as parking lots, gas stations, and building entrances.

The IP7361 boasts high-definition 2-megapixel (1600 x 1200) resolution, allowing for the delivery of extremely detailed images and coverage 6 times larger than a VGA camera. To maximize the benefit of the 2-megapixel sensor, the IP7361 employs several innovative technologies for optimized bandwidth efficiency. The ePTZ function enables users to quickly move to a target area for close-up shots without moving the camera physically. Users can also receive only the portions of the images they are interested in via the cropping function. Furthermore, multiple video streams can be delivered simultaneously in different resolutions, frame rates, and image qualities for viewing on different platforms so as to meet different needs or bandwidth constraints. The IP7361 also offers active adaptive streaming support that dynamically allocates bandwidth according to the video content and trigger state.

Aimed at outdoor surveillance, the IP7361 features auto-iris capability to protect the lens from damage induced by direct sunlight. To adapt to light changes throughout the day, the camera is furnished with a removable IR-cut filter and IR illuminators for superior image quality around the clock. The IP7361 also comes with an IP67-rated housing that offers protection against rain and dust to ensure functional operation in all types of weather conditions. For easy management and protection against tampering and vandalism, the IP7361 is also equipped with a mounting bracket that conceals all cables within the bracket.

With other advanced features such as tamper detection, 802.3af compliant PoE, SD/SDHC card on-board storage, and two-way audio via SIP protocol, the IP7361 is an all-in-one network camera for outdoor environments.



Flawless Image Quality & Data Efficiency



The IP7361 is equipped with a 2-megapixel sensor, making it capable of providing highly detailed images by which users can easily and accurately identify minute objects such as vehicle license plates or facial features.

To take full advantage of the high resolution capabilities, the IP7361 is incorporated with innovative bandwidth-saving technologies. Cropping allows for the removal of unnecessary information and transmits only the image of a selected region. ePTZ can zoom in on a target area without changing the camera direction physically, then deliver only the image of that region via the Multiple Streams feature for optimal bandwidth allocation. Activity Adaptive Streaming allocates bandwidth usage dynamically with a configurable frame rate to optimize bandwidth consumption for different situations.

Ultimate Outdoor Surveillance

Clear Images 24/7

The IP7361 delivers day & night functionality with a built-in removable IR-cut filter. By day, the IR-cut filter screens out infrared light to reduce color distortion, and at night, the filter is removed to accept infrared light for higher lighting efficiency. Additionally, the built-in IR illuminators with 25-meter range provide increased light sensitivity at night, enabling the IP7361 to be used in total darkness.



Advanced Security and Camera Protection

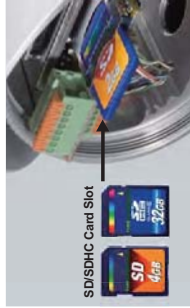
Tamper Detection

This function can detect changes caused by camera tampering, such as blockage and spray-painting, and send out alerts so that the operator can address security issues immediately, making the IP7361 an invaluable solution for vandalism-prone areas.



Uninterrupted Recording

The IP7361 features a SD/SDHC card slot to provide short-term and portable video storage on removable memory cards, thereby providing a higher level of convenience and data protection. With this feature, because camera images are continuously recorded on the SD/SDHC card, the chance of data loss due to network disconnection is greatly reduced.



Cable Management Bracket for Secure Monitoring & Cable Protection

The IP7361 comes with a custom mounting bracket within which cabling is routed. This protective bracket prevents the cables from malicious or natural damage, guaranteeing consistent and reliable surveillance performance. The bracket also allows for quick and simple installation, giving the camera a clean and professional appearance. To offer comprehensive protection, water-proof materials are used along with a water-proof connector; as such, even if not concealed within the bracket, users need not worry about damage caused by water or other liquids.



Product Features

- 2-megapixel CMOS Sensor
- 3 ~ 9 mm Vari-focal, Auto-Iris Lens
- Removable IR-cut Filter for Day & Night Function
- Built-in IR Illuminators, Effective up to 25 Meters
- Real-time MPEG-4 and MJPEG Compression (Dual Codec)
- Simultaneous Dual Streams
- Video Cropping for Bandwidth Saving
- ePTZ for Data Efficiency
- Activity Adaptive Streaming for Dynamic Frame Rate Control
- Tamper Detection for Unauthorized Changes
- Weather-proof IP67-rated Housing
- Built-in 802.3af Compliant PoE
- Built-in SD/SDHC Card Slot for On-board Storage
- Digital I/O for External Sensor and Alarm
- Mounting Bracket with Cable Management for Protected Installation

IP8332

Network Bullet Camera

H.264 • Outdoor • Day & Night



VIVOTEK IP8332 is a best-in-class, bullet-style network camera designed for diverse outdoor applications. Equipped with a 1MP sensor enabling viewing resolution of 1280x800 at a smooth 30 fps, the IP8332 is an all-in-one outdoor camera capable of capturing high quality and high resolution video.

In order to adapt to constantly changing outdoor lighting conditions, the IP8332 features a removable IR-cut filter as well as IR illuminators effective up to 15M for superior image quality around the clock. For protection against harsh outdoor environments, the camera is encased in an IP66-rated housing and weather-proof casing to withstand rain and dust.

The IP8332 supports the industry-standard H.264 compression technology, drastically reducing file sizes and conserving valuable network bandwidth. With H.264, MPEG-4, and MJPEG compatibility all included, multiple streams can be simultaneously transmitted in any of these formats at different resolutions, frame rates, and image qualities for versatile platforms. The streams can also be individually configured to meet different needs or bandwidth constraints, thereby further optimizing bandwidth and storage.

Incorporating a number of advanced features standard for VIVOTEK cameras, including tamper detection, 802.3af compliant PoE, SD/SDHC card slot, and VIVOTEK's 32-channel recording software, the IP8332 is the ideal solution for your outdoor surveillance needs.

Features

- > 1/4" CMOS Sensor in 1280 X 800 Resolution
- > Removable IR-cut Filter for Day and Night Function
- > Built-in IR Illuminators, Effective up to 15 Meters
- > Real-time H.264, MPEG-4 and MJPEG Compression (Triple Codec)
- > Simultaneous Multiple Streams
- > Activity Adaptive Streaming for Dynamic Frame Rate Control
- > Weather-proof IP66-rated Housing
- > Tamper Detection for Unauthorized Changes
- > Built-in 802.3af Compliant PoE
- > Digital Input for External Sensor
- > Built-in MicroSD/SDHC Card Slot for On-board Storage
- > Supports ONVIF Standard to Simplify Integration and Enhance Interoperability

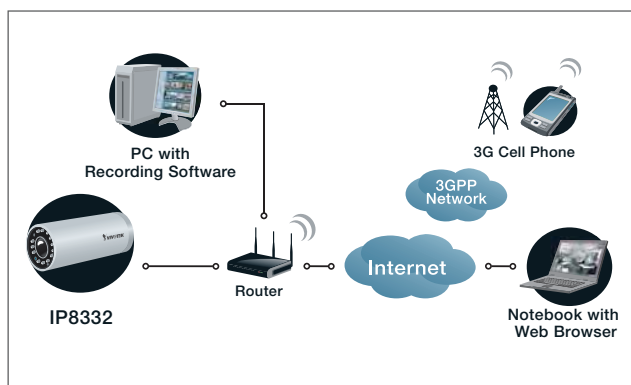
Specifications

Ver 1.3

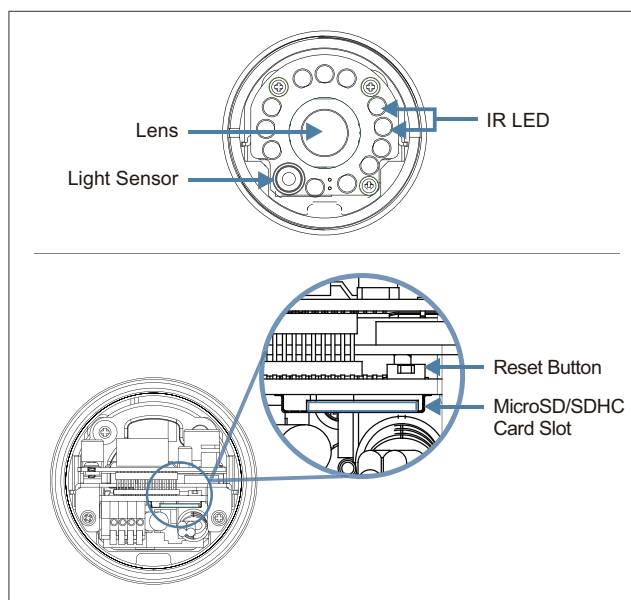
System	<ul style="list-style-type: none"> CPU: TI DM365 SoC Flash: 128MB RAM: 256MB Embedded OS: Linux 2.6
Lens	<ul style="list-style-type: none"> Board lens, f = 3.6 mm, F1.8, Fixed IR corrected Removable IR-cut filter for day & night function
Angle of View	<ul style="list-style-type: none"> 56° (horizontal) 41° (vertical) 71° (diagonal)
Shutter Time	<ul style="list-style-type: none"> 1/5 sec. to 1/25,000 sec.
Image Sensor	<ul style="list-style-type: none"> 1/4" CMOS sensor in 1280 x 800 resolution
Minimum Illumination	<ul style="list-style-type: none"> 0 Lux / F1.8 (IR LED on)
IR Illuminators	<ul style="list-style-type: none"> Built-in IR illuminators, effective up to 15 meters IR LED*12
Video	<ul style="list-style-type: none"> Compression: H.264, MJPEG & MPEG-4 Streaming: <ul style="list-style-type: none"> Simultaneous multiple streams H.264 streaming over UDP, TCP, HTTP or HTTPS MPEG-4 streaming over UDP, TCP, HTTP or HTTPS MPEG-4 multicast streaming MJPEG streaming over HTTP or HTTPS Supports activity adaptive streaming for dynamic frame rate control Supports 3GPP mobile surveillance Frame rates: <ul style="list-style-type: none"> H.264: Up to 30/25 fps at 1280x800 MPEG-4: Up to 30/25 fps at 1280x800 MJPEG: Up to 30/25 fps at 1280x800
Image Settings	<ul style="list-style-type: none"> Adjustable image size, quality and bit rate Time stamp and text caption overlay Flip & mirror Configurable brightness, contrast, saturation, sharpness and white balance AGC, AWB, AES Automatic, manual or scheduled day/night mode Supports privacy masks
Networking	<ul style="list-style-type: none"> 10/100 Mbps Ethernet, RJ-45 Onvif Support Protocols: IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTMP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP and 802.1X
Alarm and Event Management	<ul style="list-style-type: none"> Triple-window video motion detection Tamper detection One D/I for external sensor Event notification using HTTP, SMTP or FTP Local recording of MP4 file
On-board Storage	<ul style="list-style-type: none"> MicroSD/SDHC card slot Stores snapshots and video clips
Security	<ul style="list-style-type: none"> Multi-level user access with password protection IP address filtering HTTPS encrypted data transmission 802.1X port-based authentication for network protection
Users	<ul style="list-style-type: none"> Live viewing for up to 10 clients
Dimension	<ul style="list-style-type: none"> Ø 60 mm x 170 mm
Weight	<ul style="list-style-type: none"> Net: 702 g
Power	<ul style="list-style-type: none"> 12V DC 24V AC Power consumption: Max. 4 W 802.3af compliant Power-over-Ethernet (Class 2)
Housing	<ul style="list-style-type: none"> Weather-proof IP66-rated housing

Approvals	<ul style="list-style-type: none"> CE, LVD, FCC, VCCI, C-Tick
Operating Environments	<ul style="list-style-type: none"> Temperature: -20 ~ 50 °C (-4 ~ 122 °F) Humidity: 90% RH
Viewing System Requirements	<ul style="list-style-type: none"> OS: Microsoft Windows 7/Vista/XP/2000 Browser: Mozilla Firefox, Internet Explorer 6.x or above Cell phone: 3GPP player Real Player: 10.5 or above Quick Time: 6.5 or above
Installation, Management, and Maintenance	<ul style="list-style-type: none"> Installation Wizard 2 32-CH ST7501 recording software Supports firmware upgrade
Applications	<ul style="list-style-type: none"> SDK available for application development and system integration
Warranty	<ul style="list-style-type: none"> 12 months

System Overview



External and Internal View



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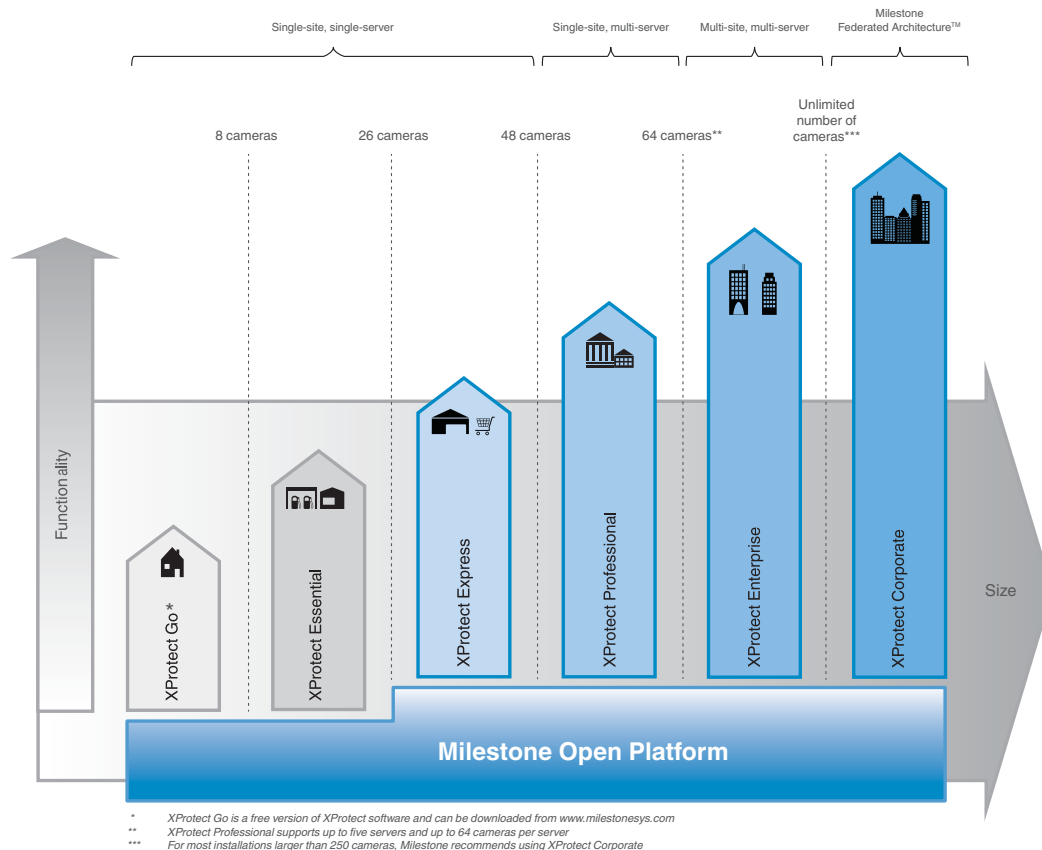
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Milestone Systems

XProtect® Product Overview



It's not just video management software. It's XProtect.

Milestone Systems is the world's leading provider of open platform IP video management software (VMS). XProtect is powerful, easy-to-use VMS that is designed with open architecture. This means that all XProtect products are compatible with more IP cameras, encoders and digital video recorders than any other VMS manufacturer, giving you the freedom to mix and match hardware to fit your needs and budget.

Because XProtect is based on a true open platform, you have the ability to integrate with today's best analytics and business solutions and to expand what is possible with future innovations. With XProtect, your possibilities are unlimited and you can keep your security options open. Discover why XProtect is your best option for today and tomorrow by downloading a free 30-day trial from our website.



The Open Platform Company

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XProtect® Corporate

Complexity made simple

XProtect Corporate is powerful open platform IP VMS designed for large-scale, multi-site, high-risk installations and supports an unlimited number of cameras, users and sites. For an ultimate overview of installations and fast response, XProtect Corporate has easy-to-use clients integrated with interactive, multi-layered maps and alarms. Built-in support for XProtect® Smart Wall enables seamless command center control. With superior redundancy features such as Edge Storage and failover recording servers, XProtect Corporate is software you can trust for mission-critical installations. Video recordings are never interrupted and access to the system is always maintained, giving you ultimate peace of mind.

- **Ultimate overview:** Milestone Federated Architecture™ and centralized management enable easy and efficient administration of multi-site, multi-organization installations
- **Cost-effective storage:** Failover servers ensure access to video data is maintained while multi-stage video storage and data grooming significantly reduce the cost of archiving data



XProtect® Enterprise

Seeing is believing

XProtect Enterprise is comprehensive IP VMS for medium and large-scale installations, primarily multi-site, multi-server deployments. Quick and easy to set up and manage, XProtect Enterprise's powerful features such as Camera Navigator, Alarm Manager and map functionality optimize large security installations. The consolidated single-management interface provides a coherent and efficient way to view and control an unlimited number of cameras,* giving supreme situational awareness for quick response and accurate investigation. The software also supports endless integration possibilities, allowing you to future proof your investment and add customized functionality to your security solution.

- **Supreme situational awareness:** Innovative features provide comprehensive visual verification of the entire surveillance installation
- **Optimize performance:** Expanded viewing, recording and storage possibilities increase the performance of your hardware

*For most installations larger than 250 cameras, Milestone recommends using XProtect Corporate

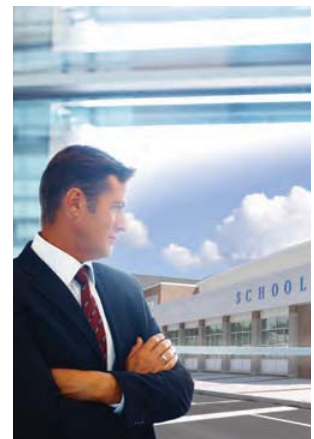


XProtect® Professional

The power to do more

XProtect Professional is comprehensive open platform IP VMS for mid-sized installations with multiple servers supporting up to 64 cameras per server. XProtect Professional is a complete solution for single-site installations with multiple buildings requiring integration with business systems and video analytics. With support for up to five servers, it is an ideal product for installations with a large number of megapixel and high-definition (HD) cameras. Easy-to-use software wizards quickly guide you through the process of adding cameras, configuring video settings, scheduling recordings and administering user access. The consolidated single-management interface and unique video search tools provide an efficient way to manage video and swiftly export evidence.

- **Enhanced performance:** A master/slave configuration supports up to five servers and an unlimited number of users; ideal for installations with many megapixel and HD cameras
- **Flexible:** Support for numerous third-party applications and plug-ins provide a broad range of integration options, including access control, analytics tools, central monitoring and alarm handling



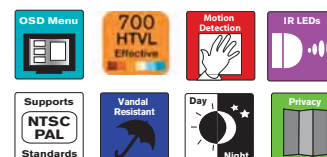
Preliminary Specification Sheet: IR Mighty Series Dome Camera

700 TVL Vandal Resistant
Dome Camera Series with
35 IR LED Illumination



FEATURES

- 35 IR LED's with 120' Range
- 1/3" Sony High Density EXVIEW CCD
- 700 TVL High Resolution
- Sony Effio-E Digital Signal Processor
- 0.0003Lux (F1.2@50IRE)
- 2DNR - Two Dimensional Noise Reduction
- Motion Detection
- Privacy Mask
- Adaptive Tone Reproduction
- Secondary Video Output (Cable Included)
- OSD (On Screen Display) for Camera Function Setup
- Flush or Surface mount
- Infinity Ball Mount for Any Viewing Angle
- UTP Interface
- 3/4" Conduit Knockouts
- Available in Ivory or Black color
- 24VAC/12VDC Dual Voltage



Available Lenses Include:

VTD-MVP2810/L35: 2.8~10mm Varifocal Lens

VTD-MVP922/L35: 9~22mm Varifocal Lens

VTD-MVP1850/L35: 18~50mm Varifocal Lens

-Special Order



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